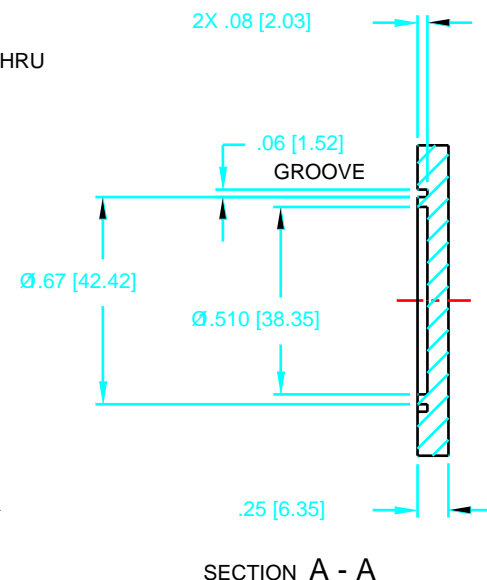
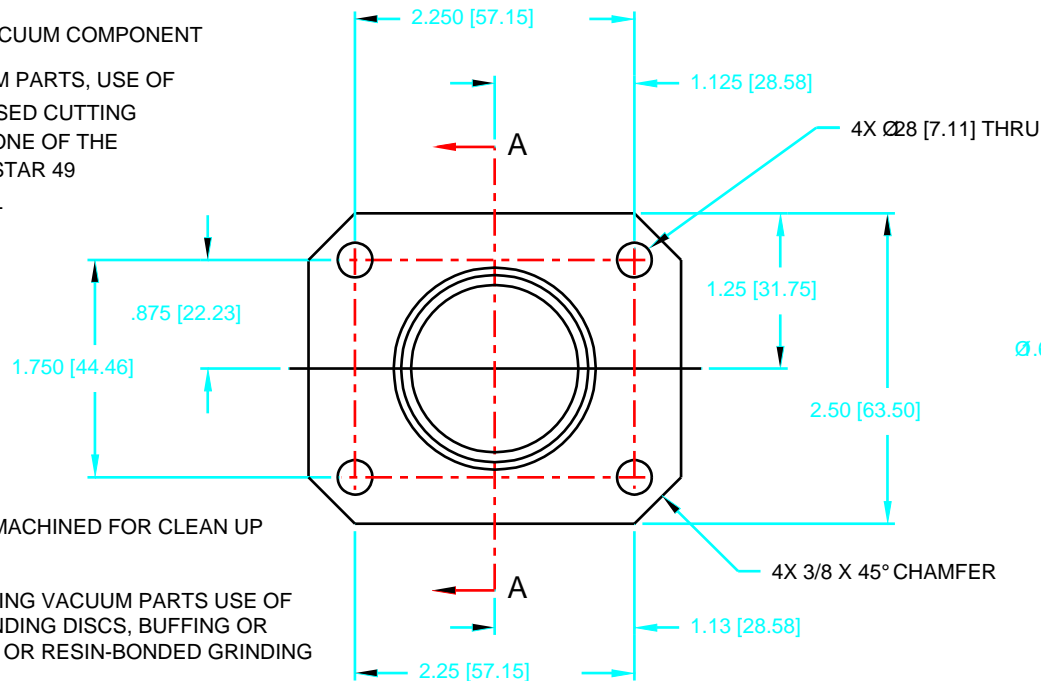


NOTES:

1. THIS IS A ULTRA- HIGH VACUUM COMPONENT
2. WHEN MACHINING VACUUM PARTS, USE OF SILICONE AND SULPHUR-BASED CUTTING FLUIDS IS PROHIBITED. USE ONE OF THE FOLLOWING: A) CIMCOOL 5 STAR 49
B) TRIM SOL

3. ALL SURFACES MUST BE MACHINED FOR CLEAN UP SURFACE FINISH⁶³✓
4. FINISHING: WHEN MACHINING VACUUM PARTS USE OF ABRASIVE PAPER OR SANDING DISCS, BUFFING OR POLISHING COMPOUNDS, OR RESIN-BONDED GRINDING WHEELS IS PROHIBITED
5. CLEANING: THE COMPONENT MUST BE CLEANED SUCH THAT A UHV PRESSURE OF 1×10^{-9} TORR CAN BE ACHIEVED
6. HANDLING: THE COMPONENTS SHALL BE HANDLED WITH WHITE SILK GLOVES AND WRAPPED WITH ALUMINUM FOIL TYPE DRY ANNEAL AND UNDER CLEAN ROOM CONDITIONS
7. BREAK ALL SHARP CORNERS 0.03
8. DIMENSIONS IN [] ARE MILLIMETERS AND FOR REF. ONLY



ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
PARTS LIST				
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES		LOG NUMBER P8530102-00		
TOLERANCES		THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY		
DECIMALS	ANGULAR	DRAWN BY MUSCIA	DATE 4/24/97	CHIEF DESIGN ENGINEER D. Shu
.X - .1 [2.5]	- 0°30'	CHECKED BY J. CHANG	DATE 5/20/97	GP LEADER T.M. Kuzay
.XX - .01 [0.25]		DESIGNER CHANG/MUSCIA	DATE 4/24/97	PROJECT MGR.
.XXX - .005 [0.13]		RESPONSIBLE ENGINEER J. CHANG	DATE 5/20/97	APPROVED/RELEASED
SURFACE ROUGHNESS 125✓		MATERIAL 304 STAINLESS STEEL		
REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX.		SCALE 1:1		
SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1		SIZE B		
DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5		DRAWING NUMBER P8-530102-00		
DO NOT SCALE DRAWING		SHEET 14		

SYM	CHANGE DESCRIPTION	BY	CHKD	DATE
REVISIONS				

ADVANCED PHOTON SOURCE
P8-50 MONO SHUTTER FOR
1-ID BACKSCATTERING
TUNGSTEN MTG. BRACKET